

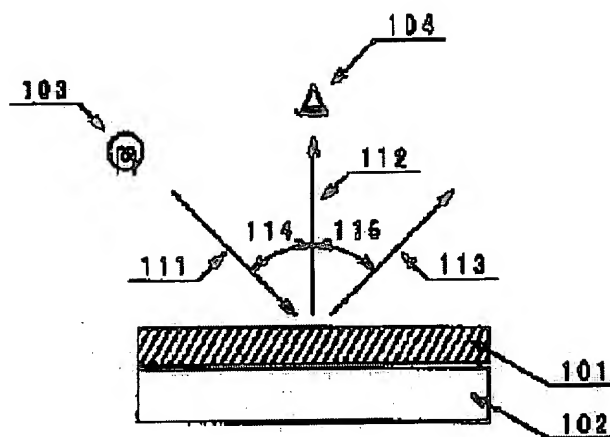
## REFLECTOR AND LIQUID CRYSTAL DISPLAY AS WELL AS ELECTRONIC APPARATUS

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### Abstract of JP11084115

**PROBLEM TO BE SOLVED:** To make it possible to reflect external light much in a direction different from a specular reflection direction by providing the reflector with a light control plate which selectively scatters only the incident light within a prescribed angle range and allows the transmission of the incident light of angles exclusive of thereof and a light reflection plate.

**SOLUTION:** This reflector is constituted by optically adhering the light control plate 101 and the light reflection plate 102 to each other by using a transparent adhesive having the refractive index approximate to the refractive index of the respective elements or without using the adhesive by heat welding. The light control plate 101 consists of a structure obtd. by laminating a transparent layer having the high refractive index and a transparent layer having the low refractive index and has the nature to selectively scatter only the incident light existing within the prescribed angle range and to allow the transmission of the incident light of the angles exclusive thereof. The light 111 entering from a light source 103 existing in a direction diagonal with the reflector transmits the light control plate 101 nearly as it is and is reflected by the light reflection plate 102. The reflected light heads toward the specular reflection direction 113 (angle 114 = angle 115) and is scattered by the light control plate 101 at this time, by which much of this light is emitted to a normal direction 112.



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